

FIGURE 1

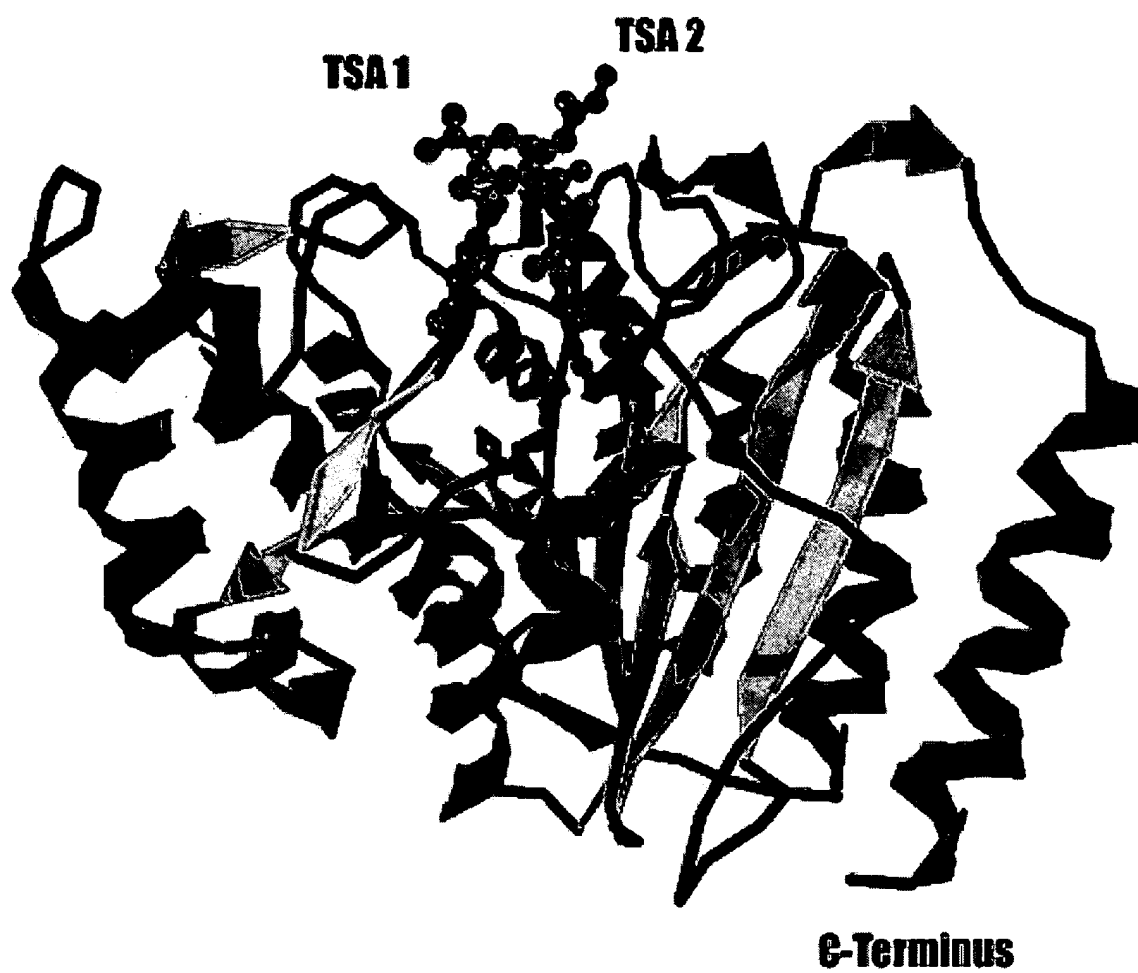


FIGURE 2A

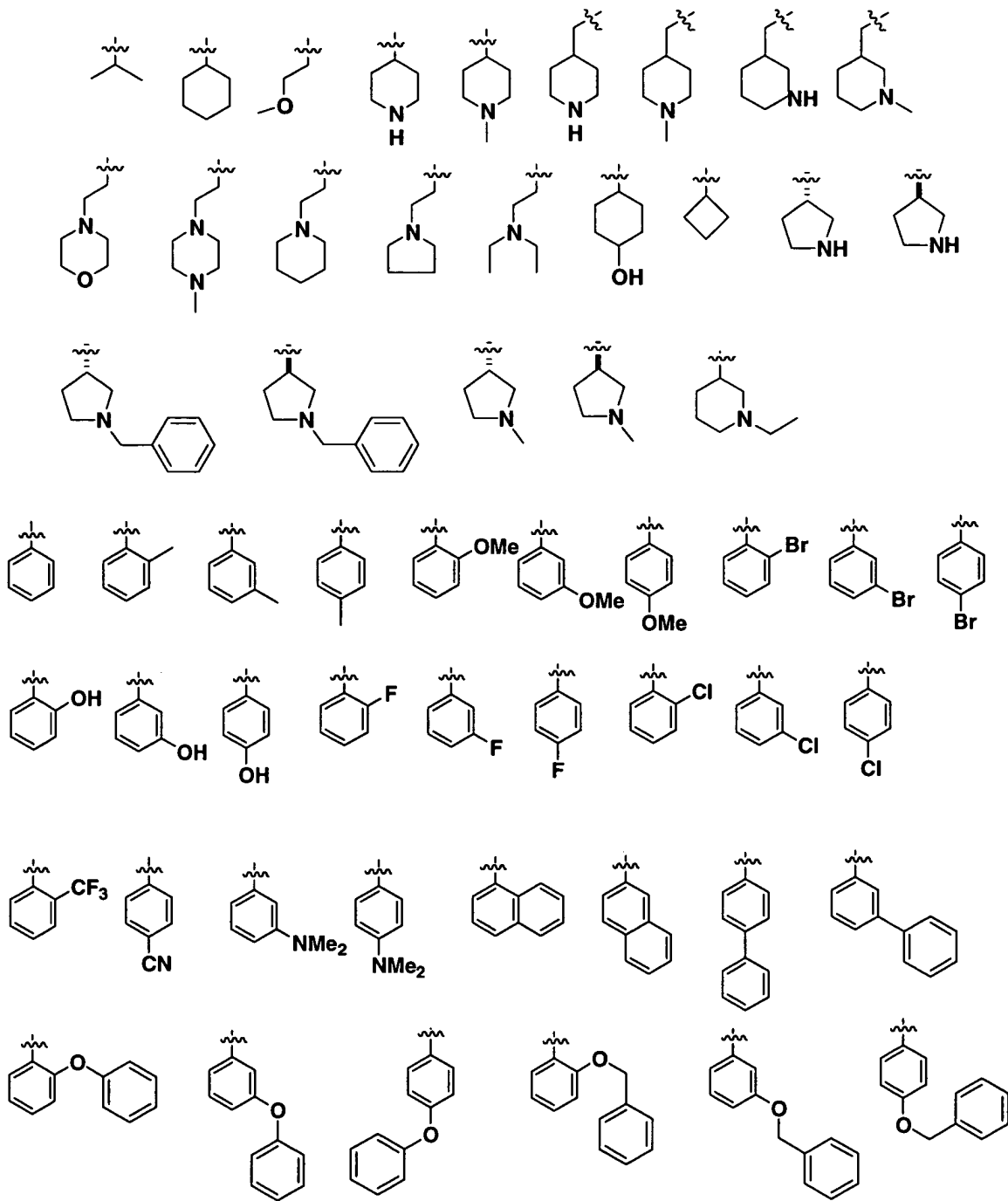


FIGURE 2A (cont.)

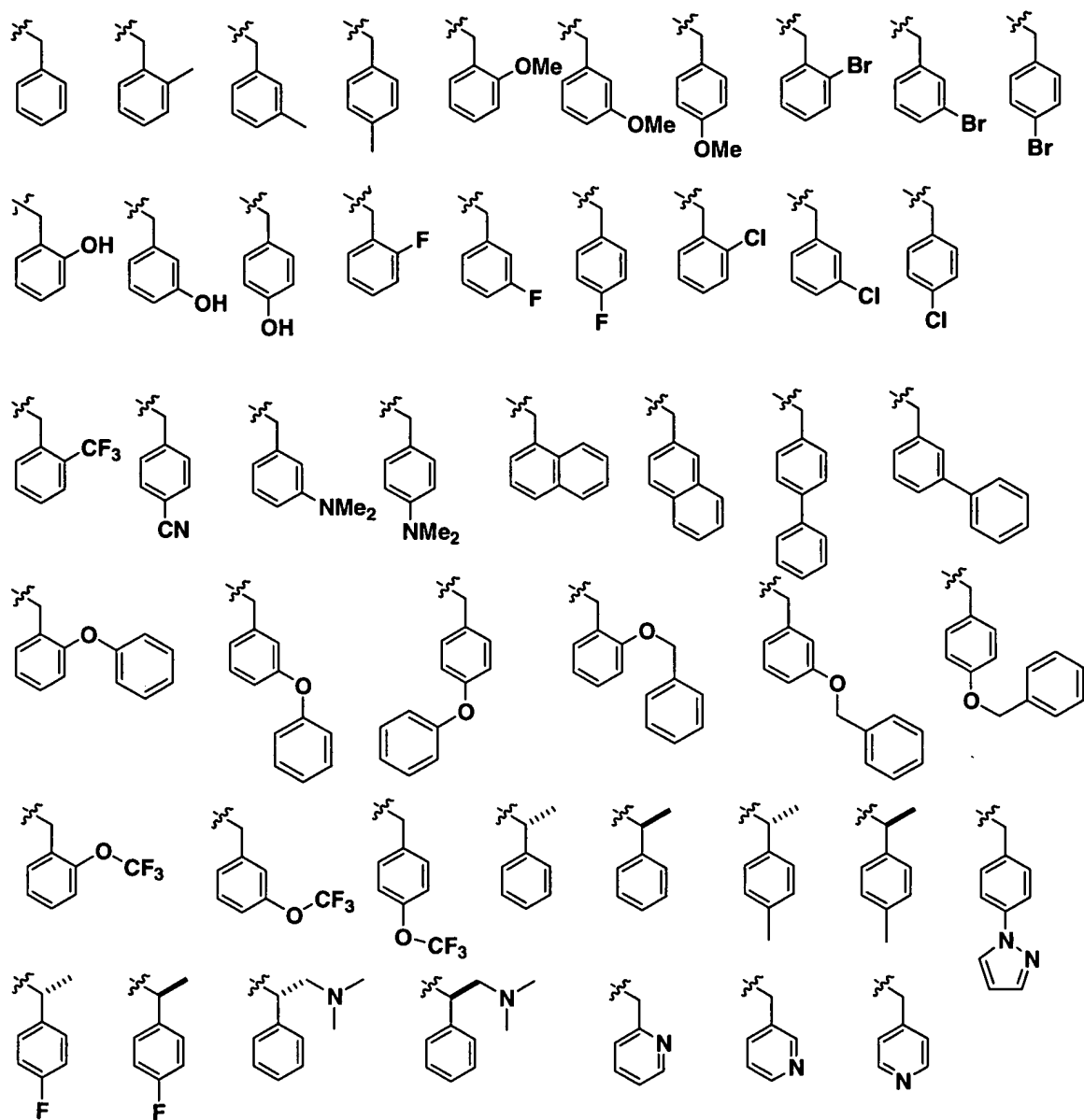


FIGURE 2A (cont.)

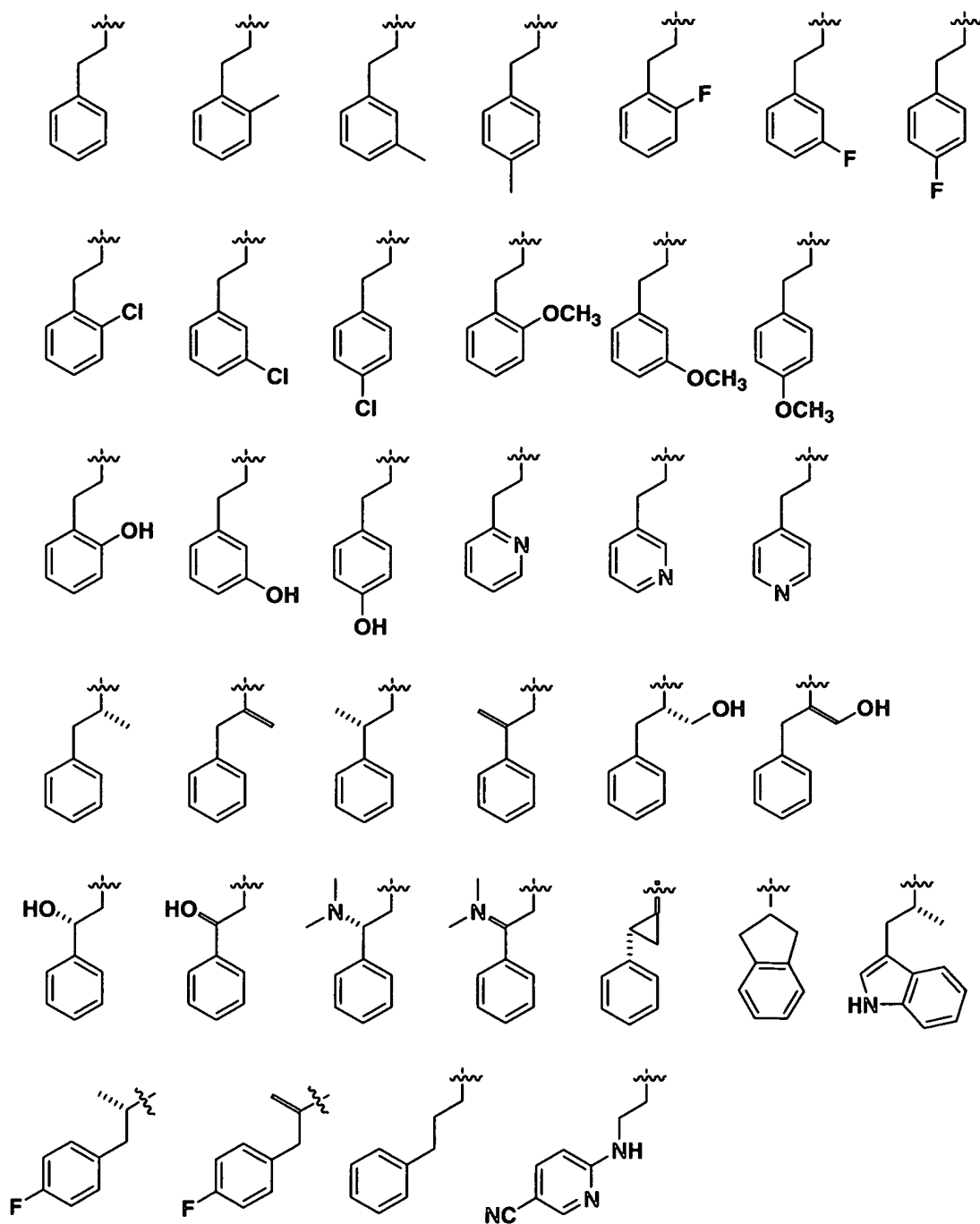


FIGURE 2A (cont.)

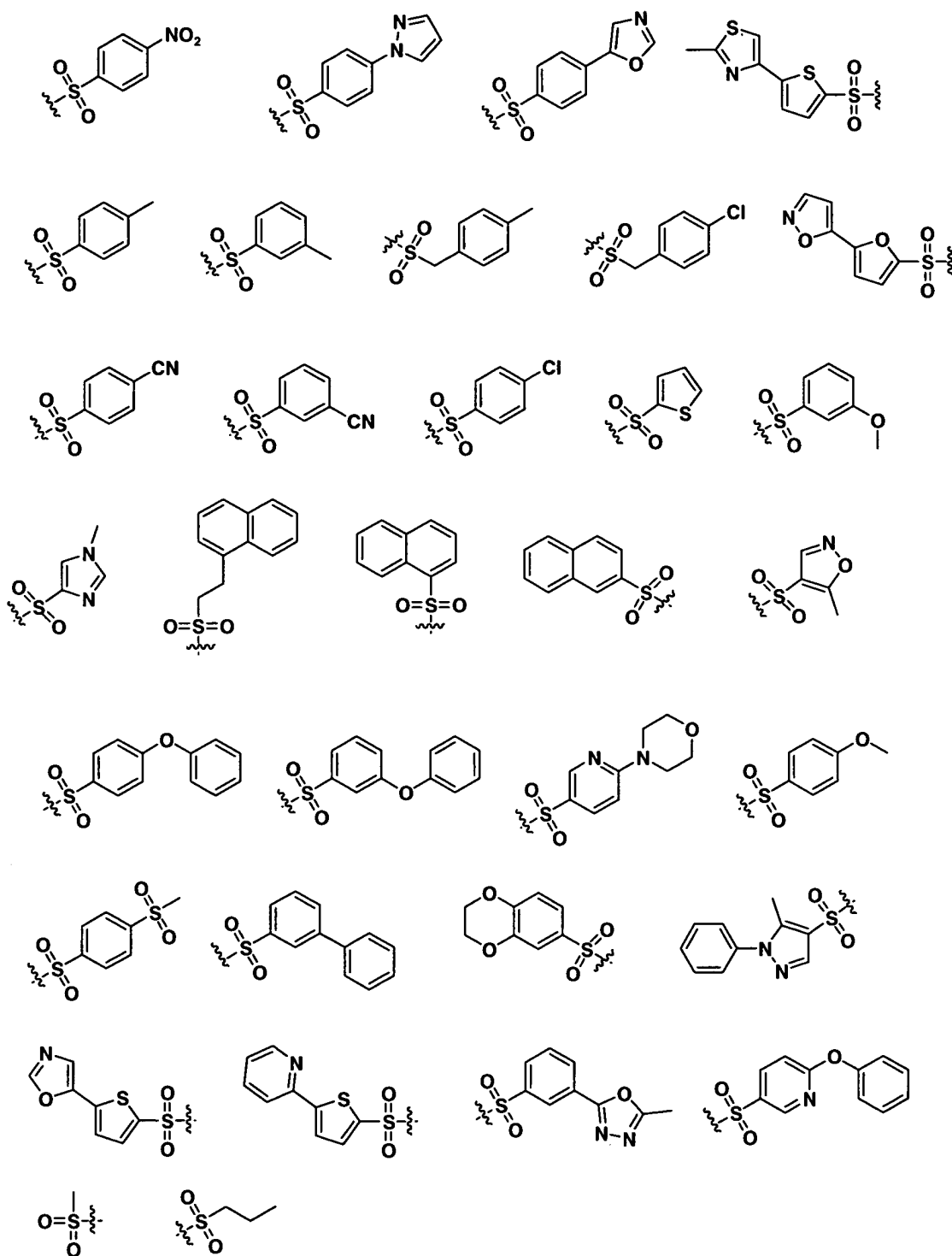


FIGURE 2A (cont.)

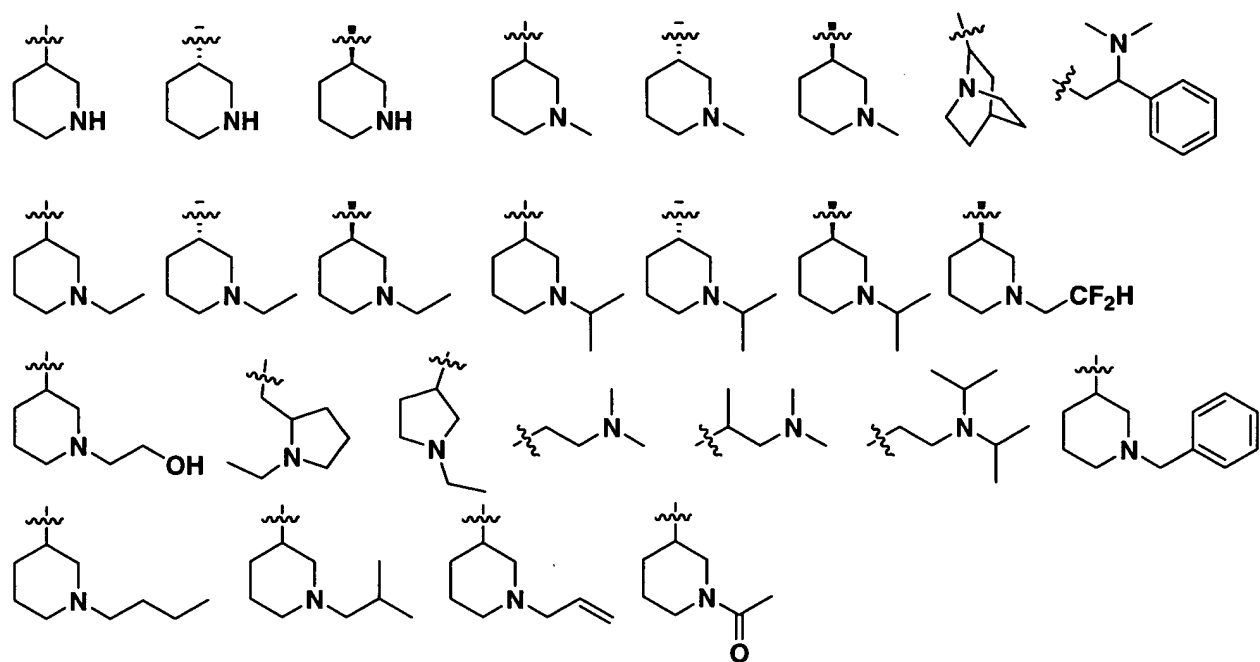


FIGURE 2B

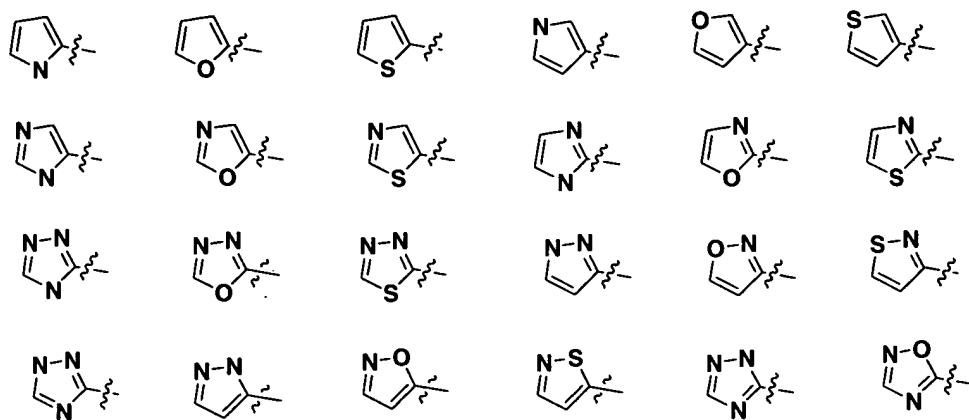


FIGURE 2C

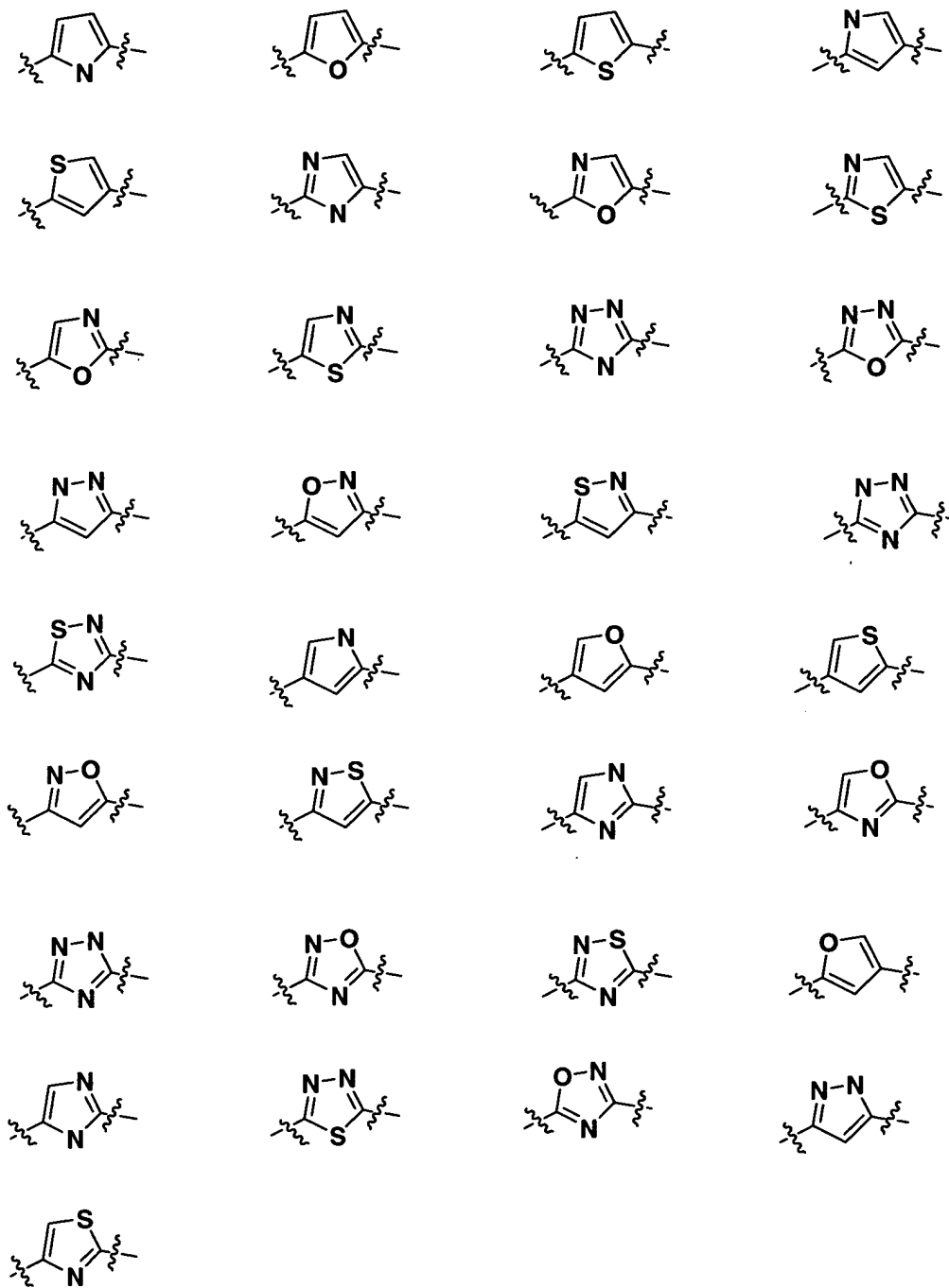


FIGURE 2C (cont.)

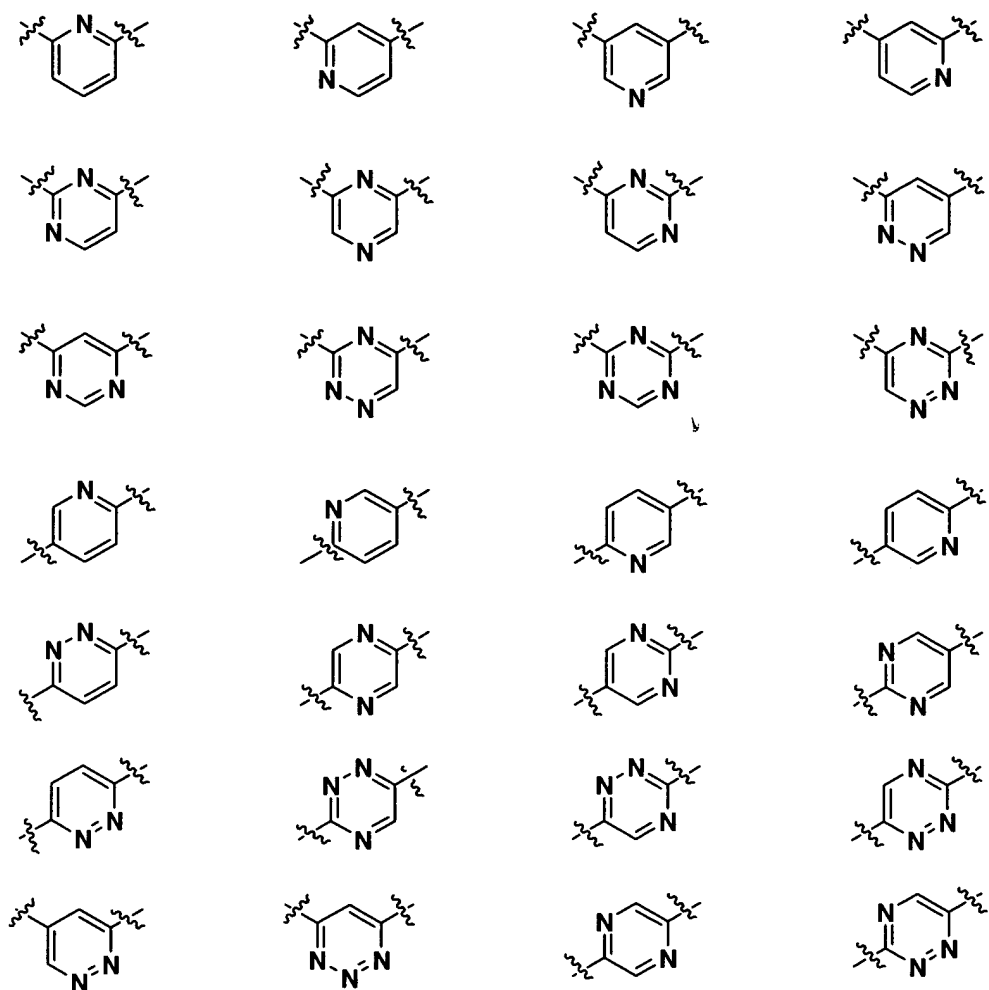


FIGURE 2D

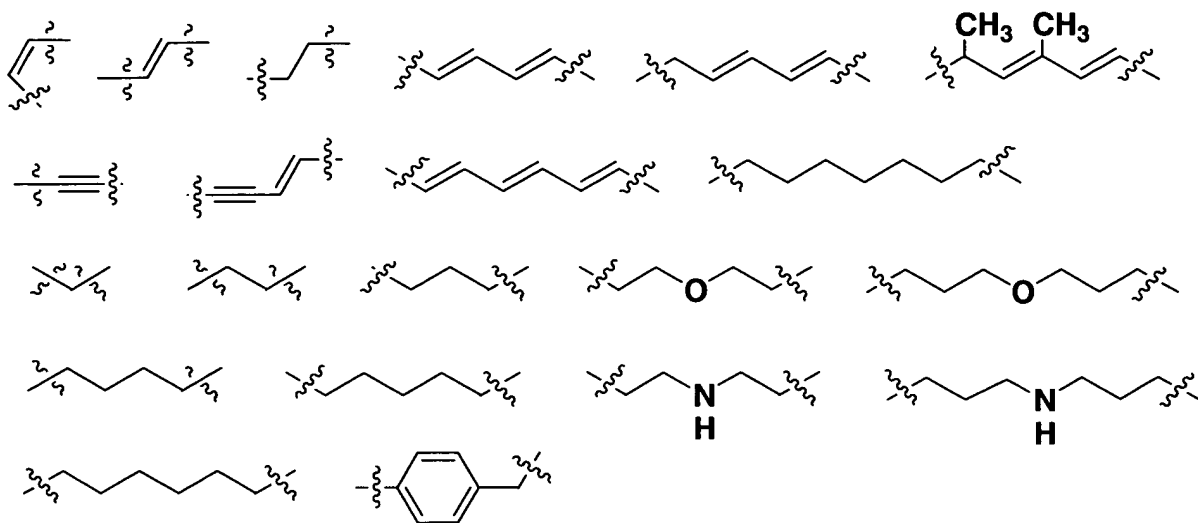


FIGURE 3

SEQ. ID No. 1

MSYYHHHHHDYDIPTTENLYFQGAMEPGGSMAQTQGTRRKVCYYYDGDVGNYYYYGQGHP
MKPHRIRMTHNLLLNYGLYRKMEIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSK
QMQRFNVGEDCPVFDGLFEFCQLSTGGSVASAVKLNKQQTDAVNWAGGLHHAKKSEASG
FCYVNDIVLAILLELLKYHQRVLYIDIDIHHGDGVVEEAFYTTDRVMTVSFHKYGEYFPGTG
DLRDIGAGKGKYYAVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCGSDSLSGD
RLGCFNLTIKGHAKCFEFVKSFNLPMLMLGGGGYTIRNVARCWTYETAVALDTEIPNELP
YNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAI
PEESGDEDEDDEDPDKRISICSSDKRIACEEEFSDSEEEGEGGRKNSSNFKKAKRVKTEDEK
EKDPPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA

FIGURE 4

SEQ. ID No. 2

ATGTCGTACTIONACCATCACCATCACGATTACGATATCCCAACGACCGAAAACCTG
TATTTTCAGGGCGCCATGGAACCCGGGGGATCCATGGCGCAGACGCAGGGCACCCGGAGG
AAAGTCTGTTACTACTACGACGGGGATGTTGGAAATTACTATTATGGACAAGGCCACCCA
ATGAAGCCTCACCGAATCCGCATGACTCATAATTTGCTGCTCAACTATGGTCTCTACCGA
AAAATGGAAATCTATCGCCCTCACAAAGCCAATGCTGAGGAGATGACCAAGTACCACAGC
GATGACTACATTAAATTCTTGCGCTCCATCCGTCCAGATAACATGTCGGAGTACAGCAAG
CAGATGCAGAGATTCAACGTTGGTGAGGACTGTCCAGTATTCGATGGCCTGTTTGAGTTC
TGTCAGTTGTCTACTGGTGGTTCTGTGGCAAGTGCTGTGAACTTAATAAGCAGCAGACG
GACATCGCTGTGAATTGGGCTGGGGCCTGCACCATGCAAAGAAGTCCGAGGCATCTGGC
TTCTGTTACGTCAATGATATCGTCTTGCCCATCCTGGAACTGCTAAAGTATCACCGAGG
GTGCTGTACATTGACATTGATATTACCATGGTGACGGCGTGGAAGAGGCCTTCTACACC
ACGGACCGGGTCATGACTGTGTCCTTTCATAAGTATGGAGAGTACTTCCCAGGAACTGGG
GACCTACGGGATATCGGGGCTGGCAAAGGCAAGTATTATGCTGTAACTACCCGCTCCGA
GACGGGATTGATGACGAGTCCTATGAGGCCATTTTCAAGCCGGTCATGTCCAAAGTAATG
GAGATGTTCCAGCCTAGTGCGGTGGTCTTACAGTGTGGCTCAGACTCCCTATCTGGGGAT
CGGTTAGGTTGCTTCAATCTAACTATCAAAGGACACGCCAAGTGTGTGGAATTTGTCAAG
AGCTTTAACCTGCCTATGCTGATGCTGGGAGGCGGTGGTTACACCATTCGTAACGTTGCC
CGGTGCTGGACATATGAGACAGCTGTGGCCCTGGATACGGAGATCCCTAATGAGCTTCCA
TACAATGACTACTTTGAATACTTTGGACCAGATTTCAAGCTCCACATCAGTCCTTCCAAT
ATGACTAACGAAACACGAATGAGTACCTGGAGAAGATCAAACAGCGACTGTTTGAGAAC
CTTAGAATGCTGCCGCACGCACCTGGGGTCCAAATGCAGGCGATTCTGAGGACGCCATC
CCTGAGGAGAGTGCGGATGAGGACGAAGACGACCCTGACAAGCGCATCTCGATCTGCTCC
TCTGACAAACGAATTGCCTGTGAGGAAGAGTTCTCCGATTCTGAAGAGGAGGGAGAGGGG
GGCCGCAAGAACTCTTCCAACCTTCAAAAAAGCCAAGAGAGTCAAAACAGAGGATGAAAA
GAGAAAGACCCAGAGGAGAAGAAAGAAGTCACCGAAGAGGAGAAAACCAAGGAGGAGAAG
CCAGAAGCCAAAGGGGTCAAGGAGGAGGTCAAGTTGGCCTGA

FIGURE 5

SEQ. ID No. 3

MGSMAYSQGGGKKKVCYYYDGDIGNYYYQGHPMKPHRIRMTHNLLLNYGLYRKMEIYRP
HKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVEDCPVFDGLFEFCQLSTGG
SVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKYHQRVLYIDID
IHHGDGVVEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVNFPMRDGIDDES
YGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKGHAKCVEVVKTFNLPLL
MLGGGGYTIRNVARCWTYETAVALDCEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTNP
EYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDSGDEDGEDPDKRISIRASDKRIAC
DEEFSDESEDEGEGRNRVADHKKGAKKARIEEDKKETEDKKTDVKEEDKSKDNSGEKTD
KGTKSEQLSNPGHHHHH

FIGURE 6

SEQ. ID No. 4

ATGGGATCCATGGCGTACAGTCAAGGAGGCGGCAAAAAAAAAAGTCTGCTACTACTACGAC
GGTGATATTGGAATTATTATTATGGACAGGGTCATCCCATGAAGCCTCATAGAATCCGC
ATGACCCATAACTTGCTGTAAATTATGGCTTATACAGAAAAATGGAAATATATAGGCC
CATAAAGCCACTGCCGAAGAAATGACAAAATATCACAGTGATGAGTATATCAAATTTCTA
CGGTCAATAAGACCAGATAACATGTCTGAGTATAGTAAGCAGATGCAGAGATTTAATGTT
GGAGAAGATTGTCCAGTGTTTGTGAGTCTTTGAGTTTTGTGAGTCTCAACTGGCGGT
TCAGTTGCTGGAGCTGTGAAGTTAAACCGACAACAGACTGATATGGCTGTTAATTGGGCT
GGAGGATTACATCATGCTAAGAAATCAGAAGCATCAGGATTCTGTTACGTTAATGATATT
GTGCTTGCCATCCTTGAATTACTAAAGTATCATCAGAGAGTCTTATATATTGATATAGAT
ATTCATCATGGTGATGGTGTTGAAGAAGCTTTTTATACAACAGATCGTGTAATGACGGTA
TCATTCCATAAATATGGGGAATACTTTCCTGGCACAGGAGACTTGAGGGATATTGGTGCT
GGAAAAGGCAAATACTATGCTGTCAATTTTCCAATGAGAGATGGTATAGATGATGAGTCA
TATGGGCAGATATTTAAGCCTATTATCTCAAAGGTGATGGAGATGTATCAACCTAGTGCT
GTGGTATTACAGTGTTGGTGCAGACTCATTATCTGGTGATAGACTGGGTTGTTTCAATCTA
ACAGTCAAAGGTCATGCTAAATGTGTAGAAGTTGTAAAACTTTTAACTTACCATTACTG
ATGCTTGGAGGAGGTGGCTACACAATCCGTAATGTTGCTCGATGTTGGACATATGAGACT
GCAGTTGCCCTTGATTGTGAGATTCCCAATGAGTTGCCATATAATGATTACTTTGAGTAT
TTTGGACCAGACTTCAAACCTGCATATTAGTCCTTCAAACATGACAAACCAGAACACTCCA
GAATATATGGAAAAGATAAAACAGCGTTTGTGTTGAAAATTTGCGCATGTTACCTCATGCA
CCTGGTGTCCAGATGCAAGCTATTCCAGAAGATGCTGTTTCATGAAGACAGTGGAGATGAA
GATGGAGAAGATCCAGACAAGAGAATTTCTATTCGAGCATCAGACAAGCGGATAGCTTGT
GATGAAGAATTCTCAGATTCTGAGGATGAAGGAGAAGGAGGTGAAGAAATGTGGCTGAT
CATAAGAAAGGAGCAAAGAAAGCTAGAATTGAAGAAGATAAGAAAGAAACAGAGGACAAA
AAAACAGACGTTAAGGAAGAAGATAAATCCAAGGACAACAGTGGTGAAAAACAGATACC
AAAGGAACCAAATCAGAACAGCTCAGCAACCCCGGGCATCACCATCACCATCACTAA

FIGURE 7

SEQ. ID No. 5

MPGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVS
FQARFAEKEELMLVHSLEYIDLMETTQYMNELRVLADTYDSVYLHPNSYSCACLASGS
VLRLVDAVLGAEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAAARYAQQKHRIRRVLI
DWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWN
QVGMRDADYIAAFLHVLLPVALEFQPQLVLVAAGFDALQGDPKGEMAATPAGFAQLTHLL
MGLAGGKLILSLEGGYNLRALAEGVSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEA
LEPFWEVLVRSTETVERDNMEEDNVEESEESEEGPWEPVLPILTWPVLQSR TGLVYDQNM
NHCNLWDSHHPEVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGH
TEKMKTREHRESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGH
HAEQDAACGFCFFNSVAVAAARHAQTISGHALRILIVDWDVHHGNGTQHMFEDDPSVLY
LHRYDHGTFFPMGDEGASSQIGRAAGTGFTVNVANGPRMGDADYLAAWHRLVLP
IAYEFNPVLVLSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLASGRIILILEGGYNLT
SISESMAACTRSLLGDPPLLTLPRLPSGALASITETIQVHRRYWRSLRVMKVEDREGPGH
HHHH

FIGURE 9

SEQ. ID No. 7

MHHHHHHHPMEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHK
QMRIVKPKVASMEEMAAFHDTAYLQHLQKVSQEGDDHDPDSIEYGLGYDCPATEGIFDYA
AAIGGATITAAQCLIDGMCKVAINWSGGWHHAKKDEASGFCYLNDVGLGILRLRRKFERI
LYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQ
DGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYIL
QWQLATLILGGGGYNLANTARCWTYLTGVILGKTLSSSEIPDHEFFTAYGPDYVLEITPSC
RPDRNEPHRIQQILNYIKGNLKHVV

FIGURE 8

SEQ. ID No. 6

ATGCCCCGGGATGGATCTGAACCTTGAGGCTGAAGCACTGGCTGGCACTGGCTTGGTGTG
GATGAGCAGTTAAATGAATTCCATTGCCTCTGGGATGACAGCTTCCCGGAAGGCCCTGAG
CGGCTCCATGCCATCAAGGAGCAACTGATCCAGGAGGGCCTCCTAGATCGCTGCGTGTCC
TTTCAGGCCCCGTTTTGCTGAAAAGGAAGAGCTGATGTTGGTTCACAGCCTAGAATATATT
GATCTGATGGAAACAACCCAGTACATGAATGAGGGAGAACTCCGTGTCCTAGCAGACACC
TACGACTCAGTTTATCTGCATCCGAACTCATACTCCTGTGCCTGCCTGGCCTCAGGCTCT
GTCCTCAGGCTGGTGGATGCGGTCTGGGGGCTGAGATCCGGAATGGCATGGCCATCATT
AGGCCTCCTGGACATCACGCCCAGCACAGTCTTATGGATGGCTATTGCATGTTCAACCAC
GTGGCTGTGGCAGCCCGCTATGCTCAACAGAAACACCGCATCCGGAGGGTCTTATCGTA
GATTGGGATGTGCACCACGGTCAAGGAACACAGTTACCTTCGACCAGGACCCCAAGTGT
CTCTATTTCTCCATCCACCGCTACGAGCAGGGTAGGTTCTGGCCCCACCTGAAGGCCTCT
AACTGGTCCACCACAGGTTTTCGGCCAAGGCCAAGGATATAACCATCAATGTGCCTTGAAC
CAGGTGGGGATGCGGGATGCTGACTACATTGCTGCTTTCCTGCACGTCCTGCTGCCAGTC
GCCCTCGAGTTCAGCCTCAGCTGGTCTGGTGGCTGCTGGATTGATGCCCTGCAAGGG
GACCCCAAGGGTGAGATGGCCGCCACTCCGGCAGGGTTCCGCCAGCTAACCCACCTGCTC
ATGGGTCTGGCAGGAGGCAAGCTGATCCTGTCTCTGGAGGGTGGCTACAACCTCCGCGCC
CTGGCTGAAGGCGTCAGTGCTTCGCTCCACACCCTTCTGGGAGACCCTTGCCCCATGCTG
GAGTCACCTGGTGCCCCCTGCCGGAGTGCCAGGCTTCAGTTTCCTGTGCTCTGGAAGCC
CTTGAGCCCTTCTGGGAGGTTCTTGTGAGATCAACTGAGACCGTGAGAGGGACAACATG
GAGGAGGACAATGTAGAGGAGAGCGAGGAGGAAGGACCCTGGGAGCCCCCTGTGCTCCCA
ATCCTGACATGGCCAGTGCTACAGTCTCGCACAGGGCTGGTCTATGACCAAATATGATG
AATCACTGCAACTTGTGGGACAGCCACCACCCTGAGGTACCCAGCGCATCTTGCGGATC
ATGTGCCGTCTGGAGGAGCTGGGCCTTGCCGGGCGCTGCCTCACCTGACACCGCGCCCT
GCCACAGAGGCTGAGCTGCTCACCTGTACAGTGCTGAGTACGTGGGTCTCTCCGGGCC
ACAGAGAAAATGAAAACCCGGGAGCTGCACCGTGAGAGTTCCAACTTTGACTCCATCTAT
ATCTGCCCCAGTACCTTCGCCTGTGCACAGCTTGCCACTGGCGCTGCCTGCCGCTGGTG
GAGGCTGTGCTCTCAGGAGAGGTTCTGAATGGTGCTGCTGTGGTGCGTCCCCCAGGACAC
CACGCAGAGCAGGATGCAGCTTGCGGTTTTTGTCTTTTCAACTCTGTGGCTGTGGCTGCT
CGCCATGCCCAGACTATCAGTGGGCATGCCCTACGGATCCTGATTGTGGATTGGGATGTC
CACCACGGTAATGGAACCTCAGCACATGTTTGAGGATGACCCAGTGCTATATGTGTCC
CTGCACCGCTATGATCATGGCACCTTCTTCCCCATGGGGGATGAGGGTGCCAGCAGCCAG
ATCGGCCGGGCTGCGGGCACAGGCTTCACCGTCAACGTGGCATGGAACGGGCCCCGCATG
GGTGATGCTGACTACCTAGCTGCCTGGCATCGCCTGGTGCTTCCATTGCCTACGAGTTT
AACCCAGAACTGGTGCTGGTCTCAGCTGGCTTTGATGCTGCACGGGGGGATCCGCTGGGG
GGCTGCCAGGTGTACCTGAGGGTTATGCCCACCTCACCCACCTGCTGATGGGCCTTGCC
AGTGGCCGCATTATCCTTATCCTAGAGGGTGGCTATAACCTGACATCCATCTCAGAGTCC
ATGGCTGCCTGCACTCGCTCCCTCCTTGGAGACCCACCACCCTGCTGACCCTGCCACGG
CCCCACTATCAGGGGCCCTGGCCTCAATCACTGAGACCATCCAAGTCCATCGCAGATAC
TGGCGCAGCTTACGGGTATGAAGGTAGAAGACAGAGAAGGACCCGGGCATCACCATCAC
CATCACTAA

FIGURE 10

SEQ. ID No. 8

ATGCACCATCACCATCACCATCCCATGGAGGAGCCGGAGGAACCGGCGGACAGTGGGCAG
TCGCTGGTCCCGGTTTATATCTATAGTCCCGAGTATGTCAGTATGTGTGACTCCCTGGCC
AAGATCCCCAAACGGGCCAGTATGGTGCATTCTTTGATTGAAGCATATGCACTGCATAAG
CAGATGAGGATAGTTAAGCCTAAAGTGGCCTCCATGGAGGAGATGGCCGCCTTCCACACT
GATGCTTATCTGCAGCATCTCCAGAAGGTGAGCCAAGAGGGCGATGATGATCATCCGGAC
TCCATAGAATATGGGCTAGGTTATGACTGCCCAGCCACTGAAGGGATATTTGACTATGCA
GCAGCTATAGGAGGGGCTACGATCACAGCTGCCCAATGCCTGATTGACGGAATGTGCAAA
GTAGCAATTAAC TGGTCTGGAGGGTGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTT
TGTTATCTCAATGATGCTGTCTGGGAATATTACGATTGCGACGGAAATTTGAGCGTATT
CTCTACGTGGATTTGGATCTGCACCATGGAGATGGTGTAGAAGACGCATTCAGTTTCACC
TCCAAAGTCATGACCGTGTCCCTGCACAAATTCTCCCCAGGATTTTTCCCAGGAACAGGT
GACGTGTCTGATGTTGGCCTAGGGAAGGGACGGTACTACAGTGTAATGTGCCCATTCAG
GATGGCATAAAGATGAAAAATATTACCAGATCTGTGAAAGTGTAATAAGGAAGTATAC
CAAGCCTTTAATCCCCAAGCAGTGGTCTTACAGCTGGGAGCTGACACAATAGCTGGGGAT
CCCATGTGCTCCTTTAACATGACTCCAGTGGGAATTGGCAAGTGTCTTAAGTACATCCTT
CAATGGCAGTTGGCAACACTCATTTTGGGAGGAGGAGGCTATAACCTTGCCAACACGGCT
CGATGCTGGACATACTTGACCGGGGTCACTCCTAGGGAAAACACTATCCTCTGAGATCCCA
GATCATGAGTTTTTACAGCATATGGTCCTGATTATGTGCTGGAAATCACGCCAAGCTGC
CGGCCAGACCGCAATGAGCCCCACCGAATCCAACAAATCCTCAACTACATCAAAGGGAAT
CTGAAGCATGTGGTCTAG